

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/242,657C
Source: JFW16
Date Processed by STIC: 12/26/2006

ENTERED



Tfw16

RAW SEQUENCE LISTING DATE: 12/26/2006
 PATENT APPLICATION: US/09/242,657C TIME: 14:52:45

Input Set : A:\Sequence List.txt
 Output Set: N:\CRF4\12222006\I242657C.raw

3 <110> APPLICANT: JENSEN, PETER RUHDAL
 4 HAMMER, KARIN
 6 <120> TITLE OF INVENTION: ARTIFICIAL PROMOTER LIBRARIES FOR SELECTED ORGANISMS
 7 AND PROMOTERS DERIVED FROM SUCH LIBRARIES
 9 <130> FILE REFERENCE: 55411.2
 11 <140> CURRENT APPLICATION NUMBER: 09/242,657C
 12 <141> CURRENT FILING DATE: 1999-02-19
 14 <150> PRIOR APPLICATION NUMBER: DK 886/96
 15 <151> PRIOR FILING DATE: 1996-08-23
 17 <150> PRIOR APPLICATION NUMBER: PCT/DK97/00342
 18 <151> PRIOR FILING DATE: 1997-08-25
 20 <160> NUMBER OF SEQ ID NOS: 62
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 100
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Lactococcus lactis
 29 <220> FEATURE:
 30 <221> NAME/KEY: modified_base
 31 <222> LOCATION: (26)..(30)
 32 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
 34 <220> FEATURE:
 35 <221> NAME/KEY: modified_base
 36 <222> LOCATION: (46)..(59)
 37 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
 39 <220> FEATURE:
 40 <221> NAME/KEY: modified_base
 41 <222> LOCATION: (70)..(71)
 42 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
 44 <220> FEATURE:
 45 <221> NAME/KEY: modified_base
 46 <222> LOCATION: (73)
 47 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
 49 <400> SEQUENCE: 1
 W--> 50 cgggatcctt aagaatatta tgcatnnnn agtttattct tgacannnn nnnnnnnnnnt 60
 W--> 51 ggtataatan nanagtactg ttaactgcag ctgaattcgg 100
 54 <210> SEQ ID NO: 2
 55 <211> LENGTH: 113
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
 62 <220> FEATURE:

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63 <221> NAME/KEY: modified_base
64 <222> LOCATION: (32)..(40)
65 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
67 <220> FEATURE:
68 <221> NAME/KEY: modified_base
69 <222> LOCATION: (61)..(74)
70 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
72 <220> FEATURE:
73 <221> NAME/KEY: modified_base
74 <222> LOCATION: (85)..(86)
75 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
77 <220> FEATURE:
78 <221> NAME/KEY: modified_base
79 <222> LOCATION: (88)
80 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
82 <400> SEQUENCE: 2
W--> 83 cgggatccaa gcttaatatt aattagcact cnnnnnnnnn gagtgctaat tttttgaca 60
W--> 84 nnnnnnnnnn nnnnntggat aatannanag tactgcagct gtctagaatt cgg 113
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 199
89 <212> TYPE: DNA
90 <213> ORGANISM: Saccharomyces cerevisiae
92 <220> FEATURE:
93 <221> NAME/KEY: modified_base
94 <222> LOCATION: (17)..(76)
95 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
97 <220> FEATURE:
98 <221> NAME/KEY: modified_base
99 <222> LOCATION: (83)..(121)
100 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
102 <400> SEQUENCE: 3
W--> 103 cagaattcgt gactcannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
W--> 104 nnnnnnnnnn nnnnnntata aannnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
W--> 105 nctcttaagt gcaagtgact gcgaacattt tttcgttt gtagaataat tcaagaatcg 180
106 ctaccaatca tggatcccg 199
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 45
111 <212> TYPE: DNA
112 <213> ORGANISM: Pseudomonas putida
114 <220> FEATURE:
115 <221> NAME/KEY: modified_base
116 <222> LOCATION: (1)..(8)
117 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
119 <220> FEATURE:
120 <221> NAME/KEY: modified_base
121 <222> LOCATION: (13)..(31)
122 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
124 <220> FEATURE:
125 <221> NAME/KEY: modified_base

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126 <222> LOCATION: (38)..(45)
127 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
129 <400> SEQUENCE: 4
W--> 130 nnnnnnnnnt grnnnnnnnn nnnnnnnnnn ntatratnnn nnnnn 45
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 60
135 <212> TYPE: DNA
136 <213> ORGANISM: Lactococcus lactis
138 <400> SEQUENCE: 5
139 cataccggag tttattcttg acagttccac ctgggttga tataatatct cagtaactgtt 60
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 60
144 <212> TYPE: DNA
145 <213> ORGANISM: Lactococcus lactis
147 <400> SEQUENCE: 6
148 catggcttag tttattcttg acagggtagt atcactgtga tataatagga cagtaactgtt 60
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 59
153 <212> TYPE: DNA
154 <213> ORGANISM: Lactococcus lactis
156 <400> SEQUENCE: 7
157 cataagttag tttattcttg acccgacgc ccccttga tataataagt agtactgtt 59
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 60
162 <212> TYPE: DNA
163 <213> ORGANISM: Lactococcus lactis
165 <400> SEQUENCE: 8
166 catatacaag tttattcttg acactagtcg gccaaaatga tataataacct gagtaactgtt 60
169 <210> SEQ ID NO: 9
170 <211> LENGTH: 60
171 <212> TYPE: DNA
172 <213> ORGANISM: Lactococcus lactis
174 <400> SEQUENCE: 9
175 catgctttac tttattcttg acaaaaccac cagctttgg tataatacgt gagaactgtt 60
178 <210> SEQ ID NO: 10
179 <211> LENGTH: 60
180 <212> TYPE: DNA
181 <213> ORGANISM: Lactococcus lactis
183 <400> SEQUENCE: 10
184 catgacggag tttattcttg acacaggtat ggacttatga tataataaaa cagtaactgtt 60
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 60
189 <212> TYPE: DNA
190 <213> ORGANISM: Lactococcus lactis
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base
194 <222> LOCATION: (7)
195 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
197 <220> FEATURE:

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198 <221> NAME/KEY: modified_base
199 <222> LOCATION: (13)
200 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
202 <400> SEQUENCE: 11
W--> 203 cattacntag ttnattcttg acagaattac gattcgctgg tataatataat cagtaactgtt 60
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 58
208 <212> TYPE: DNA
209 <213> ORGANISM: Lactococcus lactis
211 <400> SEQUENCE: 12
212 cattgtgtag tttattcttg acagctatga gtcaatttg tataataaca gtactcag 58
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 59
217 <212> TYPE: DNA
218 <213> ORGANISM: Lactococcus lactis
220 <400> SEQUENCE: 13
221 cattctggag tttattcttg accgctcagt atgcagtggt ataatagtagtac agtactgtt 59
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 58
226 <212> TYPE: DNA
227 <213> ORGANISM: Lactococcus lactis
229 <400> SEQUENCE: 14
230 cattttgcag tttattcttg acattgtgtg cttcggtgt ataataactaa gtactgtt 58
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 58
235 <212> TYPE: DNA
236 <213> ORGANISM: Lactococcus lactis
238 <400> SEQUENCE: 15
239 catcgcttag tttttcttga caggagggat ccgggttcatataatagttt gtactgtt 58
242 <210> SEQ ID NO: 16
243 <211> LENGTH: 60
244 <212> TYPE: DNA
245 <213> ORGANISM: Lactococcus lactis
247 <400> SEQUENCE: 16
248 catttgcttag tttattcttg acatgaagcg tgcctaatttg tatattactt gagtaactgtt 60
251 <210> SEQ ID NO: 17
252 <211> LENGTH: 60
253 <212> TYPE: DNA
254 <213> ORGANISM: Lactococcus lactis
256 <220> FEATURE:
257 <221> NAME/KEY: modified_base
258 <222> LOCATION: (32)
259 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
261 <400> SEQUENCE: 17
W--> 262 catgggttag tttattcttg acagtgcggc cnggggctga tatcatagca gagtaactatt 60
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 59
267 <212> TYPE: DNA
268 <213> ORGANISM: Lactococcus lactis

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Input Set : A:\Sequence List.txt

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270 <400> SEQUENCE: 18
271 cattaccgag ttatttcttg acaccgtta tcggggttgt ataatactat agtactgtt 59
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 60
276 <212> TYPE: DNA
277 <213> ORGANISM: Lactococcus lactis
279 <400> SEQUENCE: 19
280 catgttaggag ttatttcttg acagattgt taggggtgg tataatatct cagtaactgtt 60
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 60
285 <212> TYPE: DNA
286 <213> ORGANISM: Lactococcus lactis
288 <400> SEQUENCE: 20
289 catggtaag ttatttcttc acactatctg ggcccgatgg tataataagt gactactgtt 60
292 <210> SEQ ID NO: 21
293 <211> LENGTH: 59
294 <212> TYPE: DNA
295 <213> ORGANISM: Lactococcus lactis
297 <400> SEQUENCE: 21
298 ctttggcagt ttatttcttgcatgttagtga gggggctggt ataatcacat agtactgtt 59
301 <210> SEQ ID NO: 22
302 <211> LENGTH: 60
303 <212> TYPE: DNA
304 <213> ORGANISM: Lactococcus lactis
306 <400> SEQUENCE: 22
307 cattctacag ttatttcttg acattgcact gtccccctgg tataataact atacatgcat 60
310 <210> SEQ ID NO: 23
311 <211> LENGTH: 60
312 <212> TYPE: DNA
313 <213> ORGANISM: Lactococcus lactis
315 <400> SEQUENCE: 23
316 catggggccg ttatttcttg acaacggcga gcagacctgg tataataata tagtactgtt 60
319 <210> SEQ ID NO: 24
320 <211> LENGTH: 59
321 <212> TYPE: DNA
322 <213> ORGANISM: Lactococcus lactis
324 <400> SEQUENCE: 24
325 catcgtaag ttatttcttgcatctcagggg gggacgtggt ataataactg agtactgtt 59
328 <210> SEQ ID NO: 25
329 <211> LENGTH: 60
330 <212> TYPE: DNA
331 <213> ORGANISM: Lactococcus lactis
333 <220> FEATURE:
334 <221> NAME/KEY: modified_base
335 <222> LOCATION: (29)..(30)
336 <223> OTHER INFORMATION: "n" may be a, t, c, g, other or unknown
338 <400> SEQUENCE: 25
W--> 339 catcctgttag ttatttcttg acacacgttnn ttagctgtgg tataatagga gagtaactgtt 60
342 <210> SEQ ID NO: 26

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/26/2006
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Input Set : A:\Sequence List.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 26,27,28,29,30,46,47,48,49,50,51,52,53,54,55,56,57,58,59,70

Seq#:1; N Pos. 71,73

Seq#:2; N Pos. 32,33,34,35,36,37,39,39,40,61,62,63,64,65,66,67,68,69,70,71

Seq#:2; N Pos. 72,73,74,85,86,88

Seq#:3; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36

Seq#:3; N Pos. 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56

Seq#:3; N Pos. 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

Seq#:3; N Pos. 83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101

Seq#:3; N Pos. 117,118,119,120,121

Seq#:4; N Pos. 1,2,3,4,5,6,7,8,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:4: N Pos. 28,29,30,31,38,39,4

Seg#:11: N Pos: 7-13

Seq#:11, N Pos. 7,13
Seq#:17, N Pos. 32

Seatt#: 35 N POS: 32 3

Seq#:23; N Pos. 29

seq#:60; N POS: 16,17,
Seq#:61; N POS: 10,11

Seq#:61; N Pos: 10,11,12,13,14,15,16,17,18

Seq#:62; N Pos. 10,11,12,13,14,15,16,17,18
Seq#:62; N Pos. 50,51,52,53,54,55

Seq#:62; N Pos. 50,51,52,63,64,66

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Input Set : A:\Sequence List.txt
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L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:60